

* lim - x2+y2

> For the path x=y

1 -30 245 = I

> For the Path y=0

100 X2400 0 00 X240 0

> the limit is not Exisit.

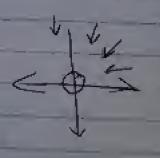
another Solution Put X= YGS & y-Ysin B

(4,6)-6,0) Y2 1 lim 2 GSO Sino (Y, Q) 50,0)

: Llim Sin26

Put 0 = 0, 2, go

:. the limit is not exisit



* Chair Rele 5 = 2 = 5 Z 9H - SH 6 955 = Z Z= ((4,4) 8=Fx(t) , K= Fx(t) 1020 - 10 Ke 10 xe 10 Ke مكر تكسيها لاي دست ولساد لا دالده مسعر الدر وه ل irectional derivative (Mabla) V audāllaity (26 / 26) - 17 (25 / 27) - 17 (27 / 27) - 17 (27 / 27) - 17 (27 / 27) - 17 (27 / 27) 78= (32 , 25) = 5 T dz - VZOV VZ=(y2, 2xy,0) (Vector) meles include flult includent Scale 1 Gur his alls Vector. gazinalle d Hi . Star agrid blain are us allo clacifos of Norbla. Il ten Sor I wester allo de cules ale ten Sove A = (Axx Axy Axz)

Asx Asy Azz

Azz

Azz

Azz

الإجهاد اللي سأثر على المنوى المعودي على مورد في الحاه X X (العجاد اللي سأثر على المنوى المعودي على مورد في الحاه X X Jols 1 2 X 12 2 could (28)

7 P Cocoto 150 animi 2n 1150 co 20 1 F

ex:- f (x14,2) = x2+22-9+42

=> Eindthe normal to the geometry & (x, y, z)

exactant pier assassences (1,1,5) adeal

> VF(x,y,z) = (2x, 2y, 27) - QUIZE & exely of) =

VF = (2,2,217) ast object of 4 = (1,1,17) = (1,1,17) = (1,1,17)

and
$$\nabla F = \nabla Y + 4 + 28$$

and $\nabla F = \nabla F$
 $\nabla F = \nabla F$